

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☒ Yes ☐ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☒ Yes ☐ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☒ Yes ☐ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☐ Yes ☒ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☐ Yes ☒ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

Nancy Bonin, HR Director, 1131 E International Airport Rd Anchorage AK 99518, nancyb@apiai.org, telephone (907) 276-2700

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

Yes

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Mark W Hamm

B. Title of Authorized Official

President/CEO

C. Date

03/24/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

Other Attachment File(s)

* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

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View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

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EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name: Prefix:		First Name:	Dimitri	Middle Name:	
Last Name:	Philemonof			Suffix:	
Title:	President/CEO				
Complete Address:					
Street1:	1131 E International Airport Rd				
Street2:					
City:	Anchorage	State:	AK: Alaska		
Zip / Postal Code:	99518	Country:	USA: UNITED STATES		
Phone Number:	9072762700		Fax Number:		
E-mail Address:	dimitrip@apiai.org				

Payee: *Individual authorized to accept payments.*

Name: Prefix:		First Name:	Mark	Middle Name:	
Last Name:	Hamm			Suffix:	
Title:	CFO				
Complete Address:					
Street1:	1131 E International Airport Rd				
Street2:					
City:	Anchorage	State:	AK: Alaska		
Zip / Postal Code:	99518	Country:	USA: UNITED STATES		
Phone Number:	9072762700		Fax Number:		
E-mail Address:	markh@apiai.org				

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name: Prefix:		First Name:	Mark	Middle Name:	
Last Name:	Hamm			Suffix:	
Title:	CFO				
Complete Address:					
Street1:	1131 E International Airport Rd				
Street2:					
City:	Anchorage	State:	AK: Alaska		
Zip / Postal Code:	99518	Country:	USA: UNITED STATES		
Phone Number:	9072762700		Fax Number:		
E-mail Address:	markh@apiai.org				

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: **Prefix:** **First Name:** **Middle Name:**

Last Name: **Suffix:**

Title:

Complete Address:

Street1:

Street2:

City:

State:

Zip / Postal Code:

Country:

Phone Number:

Fax Number:

E-mail Address:

Project Narrative File(s)

* **Mandatory Project Narrative File Filename:**

To add more Project Narrative File attachments, please use the attachment buttons below.

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Enhanced Air Quality Monitoring for Communities	66.034	\$ 301,987.30	\$	\$	\$	\$ 301,987.30
2.						
3.						
4.						
5. Totals		\$ 301,987.30	\$	\$	\$	\$ 301,987.30

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Enhanced Air Quality Monitoring for Communities				
a. Personnel	\$ 85,486.05	\$	\$	\$	\$ 85,486.05
b. Fringe Benefits	41,033.30				41,033.30
c. Travel	12,405.00				12,405.00
d. Equipment	46,265.00				46,265.00
e. Supplies	900.00				900.00
f. Contractual					
g. Construction					
h. Other	79,979.39				79,979.39
i. Total Direct Charges (sum of 6a-6h)	266,068.74				\$ 266,068.74
j. Indirect Charges	35,918.56				\$ 35,918.56
k. TOTALS (sum of 6i and 6j)	\$ 301,987.30	\$	\$	\$	\$ 301,987.30
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Enhanced Air Quality Monitoring for Communities	\$ 301,987.30	\$	\$	\$ 301,987.30
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$ 301,987.30	\$	\$	\$ 301,987.30

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 111,474.68	\$ 55,272.99	\$ 19,070.72	\$ 18,953.99	\$ 18,176.98
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$ 111,474.68	\$ 55,272.99	\$ 19,070.72	\$ 18,953.99	\$ 18,176.98

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Enhanced Air Quality Monitoring for Communities	\$ 111,474.68	\$ 93,665.80	\$ 96,846.83	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$ 111,474.68	\$ 93,665.80	\$ 96,846.83	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges: \$266,068.74	22. Indirect Charges: \$35,918.56
23. Remarks:	

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Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

03/24/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

Aleutian Pribilof Islands Association, Inc.

* b. Employer/Taxpayer Identification Number (EIN/TIN):

92-0073013

* c. Organizational DUNS:

0385229750000

d. Address:

* Street1:

1131 East International Airport Road

Street2:

* City:

Anchorage

County/Parish:

* State:

AK: Alaska

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

99518-1408

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Karen

Middle Name:

* Last Name:

Pletnikoff

Suffix:

Title: Environment and Safety Program Administrator

Organizational Affiliation:

* Telephone Number:

9072762700

Fax Number:

* Email: karenp@apiai.org

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

I: Indian/Native American Tribal Government (Federally Recognized)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

* Title:

Enhanced Air Quality Monitoring for Communities

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

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* 15. Descriptive Title of Applicant's Project:

Enhanced Air Quality Monitoring for Communities

Attach supporting documents as specified in agency instructions.

Add Attachments

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Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

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17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="301,987.30"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="301,987.30"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

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21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed:

Driven and passionate **Environmental Health Professional** with over 19 years of experience serving the people and Tribes of the Aleutian Pribilof Islands Association, Inc., including substantial acquisition and execution federal and non-governmental contracts. Proven ability to communicate with diverse audiences, from village elders to boards of directors to government officials. Hands-on management style, with the respect of peers and supervisors alike. Aleut Community of Saint Paul Island Tribal Member. Gifted ANCSA Shareholder.

- Exceptional project management skills, with a specific focus on completing community-centered projects; as the Community Environment & Safety Program Manager, successfully planned and managed the \$1.4MM Atka Dancing Creek Culvert Replacement, completing all work under budget and ahead of schedule in one field season
- Track record of spearheading complex efforts to respect and uphold traditional Native Alaskan culture; took the lead on renaming Hawadax Island, including researching the island's history, organizing support from communities, engaging Alaska's Office of History & Archeology and the federal USGIS, and successfully submitting an application to make the name change official
- Demonstrated success serving as a public voice for high-profile issues concerning Native Alaskan's livelihood and well-being; spoke out on a plan to reduce the halibut by-catch of trawlers, testifying in front of the North Pacific Fisheries Management Council and the Alaska's Board of Fisheries

Project Coordination & Management • Budget Management • Grant & Proposal Writing
Community-based Scientific Research & Monitoring • Inter-Cultural Communications

EXPERIENCE

Aleutian Pribilof Islands Association, Inc. (APIA), Anchorage AK Environment & Safety Program Administrator (August 2020 – Present)

December 2002 – Present

- Supervise the Environmental Health Services Office and Staff
- Serve as the lead on environmental and safety programs, providing technical support and resources for tribes working with a variety of projects and grants
- Guide overall project development, participate as an indigenous representative on various committees, and assist in developing smaller-scale, community-based projects
- Prepare and deliver reports and presentations on the status of major projects, serving as the point of contact for questions from internal and external sources
- Major projects and roles include:
 - BIA Alaska State-side Tribal Climate Science Liaison (\$1.3 million over 5 yrs.)
 - BIA Adaption Planning Workshops and BIA Resilience Workshops
 - EPA General Assistance Program Regional Coordinator (2007-Present, \$125K/yr)
 - DOE Amchitka Oversight Coordinator (2006-2021, \$75-100K/yr)
 - ARRT AWA Sub-regional and Wildlife Protection Guidelines Committee Member

Community Environment & Safety Program Manager (March 2007 – August 2020)

- Research and source new opportunities, writing proposals to secure projects and funding
- Major projects and roles include:
 - USDA RUS Diesel Reduction Program
 - WWF Secondary Banding for Oiled Birds
 - EPA GAP Quality Assurance Project Plan for the Qagan Tayagungin Tribe
 - EPA Nikolski Tribal Solid Waste Management Plan and GAP Technical Assistance
 - Hawadax Island Renaming
 - DOE Renewable Energy on Tribal Lands, Regional Resource & Feasibility Reports

Natural Resources Fisheries Coordinator (March 2004 – March 2007)

- Tracked and monitored North Pacific Fisheries Management Council, International Pacific Halibut Commission, and Alaska Board of Fisheries actions and news that would affect shared fisheries, communicating pertinent information to the APIA Fisheries Committee
- Testified in front of various state bodies on how proposed actions may affect APIA tribes
- Pursued an expansion of fishery quota opportunities for Tribal members by researching and presenting traditional usage information

- Served as the lead on numerous projects, including the EPA Toxics Pest Control/Akutan Rodent Control Project, the ADF&G Subsistence Salmon Survey, and the Pribilof Islands Collaborative
- Oversaw the EPA Oil Monitoring Project
- Supervised and directed the work of a Senior Scientist on various projects

Traditional Foods Program Assistant/Interim Coordinator (December 2002 – March 2004)

- Researched and analyzed a variety of contaminants appearing in traditional food sources while working on the NIEHS Benefits and Risks in Alaskan Native Villages Project
- Organized and conducted sample collection, coordinating all required permitting, transportation, logistics, and selection of testing facilities

Bristol Bay Native Association, Dillingham AK

June 2002 – October 2002

Intern/Interim Biologist

- Supported the Partners for Fisheries Management Program
- Directly supervised technicians in 5 different communities, evaluated and hired new technicians, and trained all technicians on sampling techniques

EDUCATION

Alaska Pacific University, Anchorage AK

Bachelors of Arts, Environmental Science Major, Russian Studies Minor

- Senior Project: Behavior and Population of Katovi Northern Fur Seals Study
- Junior Practicum: Distribution and Abundance of Aleknagik Pike
- 2000 National Association of Environmental Professionals Scholarship

PUBLICATIONS

Burger, J., et al., Collaboration versus communication: The Department of Energy's Amchitka Island and the Aleut Community. *Environ. Res.* (2009), doi:10.1016/j.envres.2009.01.002

Burger, J.; Gochfeld, M.; Pletnikoff, K.; Snigaroff, D.; Stamm, T., Eco-cultural Attributes: Evaluating Ecological Degradation in Terms of Ecological Goods and Services Versus Subsistence and Tribal Values. *Risk Analysis*. (2008) DOI:10.1111/j.1539-6924.2008.01093.x Article first published online: 24 JUL 2008 © Society for Risk Analysis

Murray, M.S., H. Eicken, P. Schlosser, J.C. Gascard, D. Barber, U. Bhatt, M. Biuw, M. Fortier, E. Struzik, E. Topp-Jørgensen, S. Fox, L. Hinzman, H. Enomoto, V. Ivanov, D. Jin, H. K. Lee, K. Michiyo-Yamamoto, D. Perovich, M. Pitt, K. Pletnikoff, H. Sagen, V. Sergienko, G. Shaver, K. Shimada, R. Shnor, J. Walsh, H. Wiggins, and J. Zhao, 2011. International Collaboration and Cooperation in Arctic Environmental Change Programs: Planning for the Future. International Study of Arctic Change (ISAC) Program Office, Stockholm.

Kersh GJ, Fitzpatrick K, Pletnikoff K, Brubaker M, Bruce M, Parkinson A. Prevalence of serum antibodies to *Coxiella burnetii* in Alaska Native Persons from the Pribilof Islands. *Zoonoses Public Health*. 2019;00:1–4. <https://doi.org/10.1111/zph.12661>

LEADERSHIP

Aleut International Association EPPR Head of Delegation	2014 – Present
AFN APIA Delegate	Numerous years
Region 10 Tribal Leaders Summits	Numerous years
Aleutian Bering Sea Initiative, Member	2011 – 2021
Aleutian Bering Sea Islands LCC, Chair	2013 – 2015
Western Alaska Local Landscape Cooperative Steering Committee	2009 – 2020
Study on Environmental Arctic Change (SEARCH) Scientific Steering Committee	2007 – 2016
International Study on Arctic Change Workshops	2010 - 2012
Alaska Native Subsistence Halibut Working Group	2009 – 2012
International Bering Sea Forum	2004 – 2009
Bering Sea Ecosystem Study (BEST/BSRIP)	2003 – 2007
Alaska Native Subsistence Halibut Working Group (NOAA)	2005 – 2008
Pribilof Islands Collaborative	2005 – 2008
Bering Sea Ecosystem Study (NSF/ARCUS)	2005 – 2007

RACHEL LEKANOFF

Ex. 6 Personal Privacy (PP)

· 1131 E International Rd, Anchorage AK 99518

rachell@apiai.org

I am an **Environmental Scientist** that has participated in and coordinated many small and large-scale collaborative projects from environmental monitoring, remediation, to research, all while working with diverse stakeholders. I am detail-oriented and motivated as a team player, group leader, and independent worker.

EXPERIENCE

SEPTEMBER 2021 – PRESENT, ALEUTIAN PRIBILOF ISLAND ASSOCIATION

ENVIRONMENTAL HEALTH SERVICES COORDINATOR

Coordinate projects and grant writing for the consortium of the 13 Unangan tribes of the Aleutian Pribilof Islands region, including the Amchitka Oversight program, climate adaptation planning for indigenous coastal communities, Alaskan migratory bird management, and other environmental health projects including air and water quality monitoring.

JANUARY 2017 – AUGUST 2021, UNIVERSITY OF ALASKA FAIRBANKS

RESEARCH PROFESSIONAL

Collaborate with team of researchers investigating large-scale particle distribution and flux dynamics. Lead research effort into particle identification study. Participate in field campaigns aboard seagoing vessels. Responsible for maintenance of remote particle imaging system.

RESEARCH TECHNICIAN

Responsible for analyses of optics data, including categorizing particle images into taxonomic groups. Coordinate shipping of equipment and hazardous materials for domestic and international field work.

RESEARCH ASSISTANT

Independently developed research project to investigate interactions between phytoplankton and marine environment using analyses of genetic samples (DNA extractions, metagenome library prep). Communicated findings in manuscript, and posters and oral presentations. Extensive field experience in remote locations.

JUNE 2016 – AUGUST 2016, NORTHWEST INDIAN COLLEGE

POST-BACCALAUREATE INTERN

Investigate interactions of phytoplankton communities in a marine bay prone to low oxygen, using genetic and microscopic techniques, and water quality monitoring with direct sampling and CTD measurements. Worked with colleagues to integrate research results with indigenous teachings and values.

EDUCATION

MS OCEANOGRAPHY, UNIVERSITY OF ALASKA FAIRBANKS, MAY 2020

Extensive background in biological and chemical oceanography. Multiple courses in data science, data management, statistics, and computational analysis, grant and proposal writing.

BS ENVIRONMENTAL SCIENCE, WESTERN WASHINGTON UNIVERSITY, JUNE 2016

Extensive courses in ecology, especially marine, riparian, and forest interactions. Skilled in identifying macro- and microalgae and invertebrate taxa using taxonomic keys and genetic techniques. Completed minors in biology and chemistry.

SKILLS & CERTIFICATES

R, MatLab, Ocean Data Viewer, Microsoft Office, HAZWOPER 40-hour, ITEP Air Quality Courses

HANNA M. HELLÉN

Ex. 6 Personal Privacy (PP)

EDUCATION

University of Alaska Fairbanks Graduated May 2021 ▪ BS Fisheries and Ocean Science, minor in Biological Sciences

- Undergraduate Research and Scholarly Activity Award recipient
 - Differences in stable isotope signatures between Chukchi Sea and Southern Beaufort Sea polar bears

EXPERIENCE

ALEUT COMMUNITY OF ST. PAUL ISLAND October 2021-Present

Environmental Programs Manager

- Grant and environmental programs management, GAP coordinator. Performed grant writing, reporting and budgeting.
- Project implementation and quality control of data collected through environmental programs.

ALUTIIQ PRIDE SHELLFISH HATCHERY May-September 2021

Biological Technician

- Ocean acidification monitoring of water samples from various locations in Alaska using a Burke-o-Lator.
- Other duties related to maintaining the Burke-o-Lator and ocean acidification research lab.

SEALASKA CORPORATION

Research Analyst Internship-Summer 2020 August 2020-April 2021

- Hired as intern for Sealaska, completed a research project on potential kelp mariculture opportunities in Alaska and was hired as a part-time employee at the end of my internship.
- Research and provide findings on Sealaska's scientific goals, as well as plans to accomplish them, primarily within the field of fisheries and ocean science.

SKILLS and TRAININGS

- AAUS Certified Scientific Diver

March 18, 2022

US Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

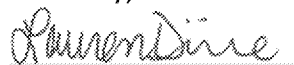
To the EPA's Enhanced Air Quality Monitoring for Communities,

The Aleut Community of St. Paul Island Tribal Government (ACSPI) is writing in support of the Aleutian Pribilof Islands Association's (APIA) project proposal to the EPA Enhanced Air Quality Monitoring for Communities program titled, "**Ambient air quality monitoring for solid waste burning impact on a remote island community**". APIA is the federally recognized regional tribal organization in the Aleutian and Pribilof Islands, working with the 13 tribes in the region, including ACSPI. APIA's mission is to promote and strengthen the unity of Unanga̋ communities by meeting their needs for health, safety, and well-being.

One of ACSPI's primary environmental goals is to establish and grow a local ambient air quality monitoring network. ACSPI has already made progress with general particulate matter monitoring by finalizing plans to erect and use a PurpleAir monitor to monitor particulates in the town site. ACSPI wants to build on that project by adding an ambient air quality monitor near tribally-accessible land near the municipal landfill to measure particulate and gaseous pollutants that result from solid waste burning. This area is an important recreational and subsistence area for our tribal and community members. Due to ACSPI's remote location, data is lacking on baseline air quality measurements, leaving a sizeable gap in knowledge needed to increase health in our communities. A partnership between APIA and ACSPI will strengthen our already existing partnership by creating more opportunities for APIA to work with and train ACSPI employees to grow and expand the capacity of our environmental department, the Ecosystem Conservation Office.

We value our ongoing partnership with APIA, especially as Aleutian and Pribilof Islands communities face disproportionate challenges and threats to our way of life, and as the effects of the global COVID-19 pandemic continue—we must all come together to find solutions for Unanga̋ communities and prepare for a sustainable and resilient future. APIA's Enhanced Air Quality Monitoring for Communities proposal advances that goal by training ACSPI staff within the community that can collect the essential environmental data to properly inform tribal and local health initiatives and increase efficiency of waste management. We strongly support funding for their proposal to help our community, as well as the other communities in our region. Thank you for considering this project for funding, please do not hesitate to contact me with any questions.

Sincerely,



Lauren Divine (lmdivine@aleut.com)
Director, Ecosystem Conservation Office
Aleut Community of St. Paul Island

Manifest for Grant Application # GRANT13579803

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 23675 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments_1_2-V1.2.pdf (size 16041 bytes)

2. Form SF424_3_0-V3.0.pdf (size 24178 bytes)

3. Form SF424A-V1.0.pdf (size 22915 bytes)

4. Form EPA4700_4_3_0-V3.0.pdf (size 22725 bytes)

5. Form OtherNarrativeAttachments_1_2-V1.2.pdf (size 15917 bytes)

6. Form EPA_KeyContacts_2_0-V2.0.pdf (size 37343 bytes)

Attachments Included in Zip File (total 4):

1. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1235-Section 5 Quality Assurance Statement & Non-Profit Status Proof.pdf application/pdf (size 511416 bytes)

2. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1234-ARP Air Quality grant application - Required sections_pdf.pdf application/pdf (size 333701 bytes)

3. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1236-Section 6.1 - Optional Attachments - Partnership Letter.pdf application/pdf (size 600148 bytes)

4. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1237-Section 6.2 - Optional Attachments - Resumes.pdf application/pdf (size 281636 bytes)

I. Cover Page

- Project Title: Ambient air quality monitoring for solid waste burning impact on a remote island community
- Applicant Information
 - Aleutian Pribilof Island Association, Inc.
 - 1131 E International Airport Rd, Anchorage, AK 99518
 - Karen Pletnikoff Ex. 6 Personal Privacy (PP) karenp@apiai.org
 - DUNS #: 0385229750000
- Set-Aside: Tribal
- Brief Description of Applicant Organization: The Aleutian Pribilof Islands Association, Inc. (APIA) is an Alaska Native non-profit consortium of the thirteen federally-recognized Aleut Tribes of the Aleutian Chain, Pribilof Islands, and lower Alaska Peninsula. APIA provides primary and behavioral health care, public safety and family protection, cultural and language revitalization and environmental advocacy and technical support.
- Project Partners
 - Aleut Community of St. Paul Island
 - Lauren Divine, ACSPI Ecosystem Conservation Office Director
- Project Location
 - St. Paul Island, Alaska, 99660
- Air Pollutant Scope
 - Particulate matter (ultrafine, PM_{2.5}, and PM₁₀)
 - Particulate matter precursors: Volatile Organic Compounds and Carbon Monoxide
 - Nitrogen Dioxide
 - Sulfur Dioxide
- Budget Summary

EPA Funding Requested	Total Project Cost
\$301,987.30	\$301,987.30

- Project period: September 1, 2023 to August 31, 2025
- Short Project Description: Collecting baseline ambient air quality data and determining the impacts of solid waste burning on the Aleut Community of St. Paul Island through measuring particulate matter, Nitrogen Oxide, and Sulfur Dioxide, and particulate matter precursors Volatile Organic Compounds and Carbon Monoxide in order to address community health concerns.

II. Workplan

Section 1 – Project Summary and Approach

A. Overall Project:

The Aleutian Pribilof Islands Association, Inc. (APIA) will partner with the federally recognized tribe Aleut Community of St. Paul Island (ACSPI) Tribal Government to implement ambient air quality monitoring on St. Paul Island, Alaska. Paramount to both APIA and ACSPI's environmental programs is identifying locally produced air pollutants that could impact human health, a need only further underscored during the ongoing COVID19 pandemic. St. Paul's municipal dump is an identified source of air pollution that produces unmeasured pollutants. APIA and ACSPI propose to monitor byproducts from solid waste burning at ACSPI's municipal dump, specifically sulfur dioxide (SO₂), nitrogen dioxide (NO₂) and particulate matter (for the purposes of this grant application, will include these sizes: ultrafine, PM_{2.5}, and PM₁₀), and particulate matter precursors volatile organic compounds (VOCs) and carbon monoxide (CO), all of which are known to irritate the respiratory tract, increase risk of respiratory illness, and can exacerbate or increase risk of asthma.

Like much of rural and coastal Alaska, ACSPI lacks meaningful baseline data about their local air quality, making it impossible to fully gauge impacts of air pollutants on ACSPI community members despite having a plethora of potential particulate matter sources (dirt and gravel roads, heating oil use in homes, widespread use of fishing and recreational vessels, and of course solid waste burning). With this project, APIA and ACSPI seeks to establish a pilot ambient air quality monitoring program to:

- 1) create baseline ambient air data for island of St. Paul that includes particulate matter and their precursors in the form of VOCs, CO, NO₂, and SO₂ over a two-and-a-half-year period,
- 2) determine if solid waste burning produces concentrations of particulate matter, NO₂ and SO₂, in the ambient air that are harmful to human health as defined by EPA's national ambient air quality standards (NAAQS).

To accomplish our objectives, APIA proposes to purchase one ambient air quality monitor, the Aeroqual AQM-65, to deploy on St. Paul Island near the municipal dump where solid waste is burned and on land that ACSPI is authorized to access for environmental monitoring and management activities.

Ultimately, this project serves to improve community and environmental health, strengthen relationships between APIA and ACSPI, and will equip both entities with additional experience and knowledge to assist other Unanga tribes in the Aleutian and Pribilof region who wish to carry out their own local air monitoring programs. APIA will own the monitor used in ACSPI's monitoring efforts, allowing APIA to loan out equipment to our tribes in the future, increasing regional and tribal access to tools to better understand and reduce pollution. Not only can environmental conditions be cleaner, we will improve community health, as well as increasing APIA's in-house capacity for environmental monitoring and technical capacity. APIA's regional environmental objectives and many of our tribes' environmental plans prioritize the creation and establishment of air quality monitoring projects. The monitors and experience acquired by APIA and ACSPI will allow us to better serve our other tribes, while strengthening inter-tribal collaboration and regional partnerships and support growth of tribal environmental program capacity, all while filling in knowledge gaps with important and quality baseline ambient air quality data.

B. Project Significance

An effective air quality monitoring project by APIA and ACSPI is all the more important given the Unanga̋ people's long and—in the past few hundred years—tumultuous history. St. Paul Unanga̋ residents have a history of survival and resiliency, beginning with Russian contact in the 1860s that ended in enslavement for fur trading to the World War II internment camps and Native boarding schools that attempted to eradicate their Unanga̋ culture. In the words of ACSPI's tribal government, the Unanga̋ people "have maintained dignity and pride and have remained culturally resilient." This spirit continues today as ACSPI continually strives to address modern environmental problems faced by the small tribal community of about 400 as of the 2020 Census. St. Paul Island sits in the central Bering Sea, 800 miles from the nearest urban center of Anchorage and 300 miles north of the Aleutian Chain, where many of the other Unanga̋ tribes call home.

Among the challenges that ACSPI faces today is lack of environmental data needed to inform decisions and policy around environmental and public health. ACSPI currently has no ambient air quality monitoring in place, therefore no baseline data is available to inform community concern or any local policy, tribal or city. Similar to many isolated and rural Alaskan communities, ACSPI burns all of their solid waste, sparking concern about exposing pollutants to residents, despite the city's best efforts to burn when winds are favorable. However, on a small island surrounded by ocean, winds are frequently strong and unfavorable, and solid waste burning in such conditions is unavoidable, leading to potential exposure regardless of current mitigation actions. By implementing a monitoring program, ACSPI will determine what impacts solid waste burning has on ambient air quality, as well as collecting general ambient air data in between and during burns. Data collected will not only fill a data gap in rural and coastal Alaska, but will allow APIA and ACSPI to better understand what health impacts the residents of the island could face. Will be provided with much needed data to implement, design, and push for policies and projects in pursuit of EPA's Strategic Plan Goal 4 to "ensure clean and healthy air for all...", all the more important to serve the people that live in a rural, primarily Unanga̋, and underserved community. Data and results from the air quality monitors can then be leveraged in future projects to establish a recycling program in partnership with the tribal and municipal governments to reduce solid waste burning on island to continually "improve air quality and reduce localized pollution and health impacts," in line with EPA's Strategic Plan Goal 4 Objective 4.1.

Section 2 – Community Involvement

A. Community Partnerships

Our project will allow APIA and one of our tribal communities to build air monitoring capacity and knowledge of local-scale, real-time air quality, while simultaneously contribute to data collection of ambient air quality and pollution, including particulate matter and NO₂ and SO₂ from solid waste burning in under monitored rural Alaska, specifically on St. Paul Island. The information learned will allow ACSPI and the city of St. Paul to inform their public policy to improve public and tribal health as it relates to solid waste burning, as well as increase air quality monitoring and data management practices of both APIA and ACSPI, allowing both to assist other tribes of the Aleutian and Pribilof region to establish their own air quality programs and capacity, per many of their EPA Tribal Environmental Plans (ETEP).

APIA will partner with ACSPI to deploy ambient air quality monitoring and collect baseline data on St. Paul Island. Through EPA GAP funding and air quality training through Northern Arizona University's

Institute of Tribal Environmental Professionals (ITEP), APIA has greatly expanded its air quality technical knowledge and capacity. While ACSPI has an extensive environmental department with environmental technicians on island and are familiar with a variety of environmental monitoring efforts, air quality is a newly implemented aspect of their 2022-2026 ETEP. APIA has the technical capacity to assist ACSPI's first air monitoring project, while ACSPI has the technical staff to learn how to maintain and operate the monitor in the field.

APIA will be responsible for purchasing air quality equipment and will provide training and assistance with initial setup of the equipment at the sampling site. ACSPI will provide staff to check and service the equipment throughout deployment in the field. The Aeroqual AQM-65 monitor is capable of transmitting data over cellular and Wi-Fi networks, however broadband access can be extremely limited on island. ACSPI on-island staff will be ready to download data from the equipment and ensure copies of the data are received by APIA staff on a monthly basis in case of communication interruptions with the instrument. APIA and ACSPI will plan to setup the instrumentation and run initial quality checks before setting up the instrument on St. Paul Island. After the instrument is deployed and deemed operational, an ACSPI technician will be guided through the data download process with APIA staff and then will download data from the instrument monthly. The monitor will operate continuously in order to collect ambient air data in between and during solid waste burnings at the municipal dump.

APIA's purpose is to provide technical support to the regional tribes. APIA's Environmental Health Office partnership with ACSPI will allow the two entities to work more closely together, with APIA providing air quality technical support, a capacity gained through previous and current work on our GAP grant. ACSPI has begun basic air quality monitoring with plans to deploy a PurpleAir monitor on the island in the summer of 2022. ACSPI wants to build on their basic monitoring capacity as well as specifically address the impacts of solid waste burning on the community. A partnership between APIA and ACSPI will establish an ability to gather more in-depth data from solid waste burns at St. Paul's dump, analyze the data for significant air quality differences between ambient conditions and times when burns occur, and use that information to work towards more sustainable waste management. As a federally recognized tribal organization for the Aleut people in Alaska, APIA makes every effort to work with our tribes, including ACSPI, whenever a tribe requests and funding is available.

B. Community Engagement

APIA will work closely with ACSPI's employees based in St. Paul, AK and in Anchorage, AK. A collaboration between our two tribal organizations will strengthen our working relationship, and help to increase ACSPI's tribal capacity to undertake ambient air quality monitoring projects. With this project, APIA and ACSPI each plans to send one employee each to St. Paul Island to install, and train one of ACSPI's St. Paul-based employee in how to maintain the equipment and download data. All employees involved in the project will engage in activities to encourage education about solid waste fate and lifecycle, solid waste burning and volume reduction, and recycling and diversion. Through these efforts, we will encourage community desire to create a recycling program to improve community and environmental health.

Section 3 – Environmental Justice and Underserved Communities

ACSPI is a rural Alaskan Native village located within the Pribilof Islands of the Bering Sea. Because of its remoteness, ACSPI faces limitations and shortages of many resources, making its people prone to disproportionate health outcomes, a problem only exacerbated by the ongoing COVID-19 pandemic.

Critical Service Gaps, defined with EPA's Environmental Justice Screening and Mapping Tool (EJScreen), indicates ACSPI is a 'Food Desert' and a 'Medically Underserved' community, as well as having limited access to broadband, and low-income levels that exceed the national average. Additionally, Alaskan Native peoples—the Unangaꔪ included—experience the highest rates of diabetes of any ethnic group in the US (Bullock et al. 2020).

EJScreen also reinforces the need for particulate and pollutant monitoring. No particulate matter data is available for St. Paul Island, a pollutant that could potentially exacerbate asthma and other respiratory problems, an unwanted scenario in a community considered to be 'Medically Underserved' and when the nearest hospital in Anchorage is three-hour flight away (one way) and when weather allows.

The confluence of these numerous environmental justices and community disadvantages illustrates the need for this simple step forward to improve clean air on the island. Not only will environmental conditions be improved, but risk factors for a medically underserved community will also be mitigated.

Section 4 – Environmental Results—Outcomes, Outputs and Performance Measures

A. Expected Project Outputs and Outcomes

ACSPI: ACSPI ECO expects to monitor for particulate matter, NO₂, and SO₂, a key goal of their air quality monitoring efforts as outlined in their tribal ETEP, as well as a regional priority set forth by APIA. By monitoring for these specific pollutants, ACSPI and APIA will also detect concentration spikes that may occur during solid waste burning. Results from these ambient air and solid waste burning monitoring efforts will be used to determine what mitigation efforts are needed to address solid waste burning, and be used to inform efforts to acquire more efficient systems for waste burning and to design and implement a recycling program in conjunction with the tribal and municipal government to reduce what goes into the waste stream.

- Short term outcomes: The project will identify if levels of ambient particulate matter and particulate matter precursors, NO₂ and SO₂ concentrations near the burn site, and identify if and when amounts hazardous to human health as defined by EPA limits are present.
- Intermediate term outcomes: Better understanding of ambient air quality will lead to the community and municipal and tribal governments to pursue more efficient burn containers, dry trash burning, create community incentive to reduce plastic consumption, and create a push for sustainable recycling plans and alternative solid waste disposal
- Long term outcomes: Reduction of certain air pollutant emissions related to solid waste burning. Reduction of ambient concentrations of certain air pollutant(s). Reduction of human exposure to certain air pollutant(s).

B. Performance Measures and Plan

The outcome of APIA's and ACSPI ECO's efforts will be a data set over a two-and-half-year period that details the fluctuation of particulate matter, VOCs, CO, NO₂, and SO₂ and the impacts of solid waste burning on air quality. The air quality data will be maintained by APIA and ACSPI staff and used in regional and tribal environmental policy, as well as made available to EPA and their Air Data database. The output will be a data set of important air pollutants in rural Alaska, building on an understudied region, and a results-informed plan to mitigate particulate matter, VOCs, CO, NO₂, and SO₂ with a goal of improving public health and air quality, which can then be used to leverage future funds for the support

of multiple strategies to reduce burned trash potentially including: dry burning in an efficient burn container, reduction of plastics sold in the community, and a recycling program.

Throughout the project, ACSPI's on-island staff will ensure the most recent data is received by APIA and will perform monthly checks on the monitor and as needed. ACSPI will also send quarterly updates to APIA about the status of the monitor (working as expected or not, and what is needed to ensure performance and quality data acquisition, what dates data was pulled from the monitor, and when copies on USB drives were mailed to APIA). APIA will incorporate this information into quarterly reports for EPA. In addition to monitor performance, maintenance, and state of the data, APIA will also report on air quality findings, including levels of the particulate matter, VOCs, CO, NO₂, and SO₂.

C. Timeline and Milestones

Year	2022						2023						2024												2025												
Quarter	Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			
Month	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	
Purchase monitors																																					
Test run monitor in Anchorage																																					
Install monitors on island*																																					
Data sent to APIA																																					
APIA analyzes data																																					
Trip to inspect monitor																																					
Evaluate findings so far																																					
ACSPI reports to APIA																																					
Uninstall monitor																																					
Final report to EPA																																					

*air travel to the island can be very restrictive due to severe weather delaying and cancelling an already limited number of flights, especially in non-summer months.

Section 6 – Programmatic Capability and Past Performance

A. Past Performance

Environmental Protection Agency (EPA) General Assistance Program (GAP) has been awarded to APIA continuously since 1995, successfully managing \$375,000 over the last three years. GAP funds support the capacity development of APIA's Environmental Program, allowing us to provide technical capacity to support regional Tribal Environmental Programs establishment and development. Specific activities we provide technical assistance include: required EPA Tribal Environmental Plans, Quality Assurance Project Plans for baseline assessments of various media, solid waste implementation support and partnerships, and to respond to emerging issues and known regional concerns including Formerly Used Defense Site monitoring and clean-up, rulemaking information and outreach, and shipping-related spills prevention.

Bureau of Indian Affairs has awarded grants to support two projects:

- Climate Change Adaptation planning. The Climate Change Adaptation Planning is currently ongoing, managing \$164,985.10. The April 2022 workshop will host regional residents involved in adaptation planning, especially environmental department staff, local community and Tribal leaders, and selected agency employees as presenters. The workshop and follow up efforts will culminate in a Climate Change Adaptation Planning template, tailored to the unique challenges and needs that come with living in our changing rural and marine region.
- Tribal Climate Science Liaison program: This statewide program endeavored to “map ways that Tribal governments, partner organizations and programs, and Alaska Native learners can collectively benefit and contribute to expand Alaska Indigenous capacity (the skills, talents and expertise) to engage in climate change adaptation work across indigenous communities in Alaska” (Chase et al. 2021). Through each of these projects, APIA has upheld tribal self-determination through the identification of resources and tools that can benefit the communities that make up our unique state experiencing the rapid changes in their environment and resources.

Department of Energy Office of Legacy Management awarded APIA funding for the Amchitka Oversight Program since 2007. APIA regularly helps with planning field work, participating in field work to monitor for radionuclide concentrations on and around the island, and undertakes outreach and educational activities to inform our regional community members about the safety status of the region due to radionuclide contamination. APIA has successfully managed funds of \$100,000 over the last three years.

Since 2003, APIA has received funds from the United States Fish and Wildlife Service (USFWS) to support important subsistence migratory bird harvest co-management work through USFWS's AMBCC grant. Our long-term goals are seeing our Tribes' customary and traditional subsistence migratory bird harvest acknowledged and protected under the Migratory Bird Act. We work on the specific species of regional interest including: Emperor Goose, sea ducks and kittiwakes and other culturally-important species.

B. Reporting Requirements

The EPA GAP reporting is a quarterly financial and progress requirement that APIA has met since 1995, with deliverables provided during the quarterly reports and at the grant close out every four years. The BIA Tribal Resilience Adaptation Planning grant requirements are for end of grant progress reporting including deliverables and quarterly financial reporting, with which APIA maintains compliance. The BIA Tribal Climate Science Liaison program was reported quarterly for both financials and progress as required, with deliverables sent with quarterly progress reports. The DOE Amchitka Program required quarterly financial reporting that was met. USFWS AMBCC grant reporting is quarterly for both progress reports with deliverables and financial efforts, which are met.

C. Staff Expertise

APIA's Environment and Health Administrator has led, participated in, and managed a wide variety of environmental monitoring projects in over 19 years of service at APIA. She has written and implemented a variety of QAPPs for previous projects, and has HAZWOPER 40-hour HAZWOPER certification.

APIA's Environmental Health Services Coordinator has completed relevant air quality certifications through Northern Arizona University's Institute for Tribal Environmental Professionals ('Management of Tribal Air Programs and Grants' and 'Quality Assurance Fundamentals'), a 40-hour HAZWOPER certification, plus has a background in data analysis and management (M.S. Oceanography), which will help ensure efficient collection, organization, and reporting of air quality data.

ACSPI's Environmental Programs Manager has already taken the lead on deploying a PurpleAir monitor to measure particulate matter on one of St. Paul's busier dirt roads, in addition to drafting a Quality Assurance Project Plan (QAPP). ACSPI plans to use data from the PurpleAir equipment for particulate matter in a residential portion of St. Paul, ensuring that staff have an appropriately rigorous handle on quality control pertaining to environmental monitoring.

ACSPI's Technician has many years of experience across a variety of environmental monitoring programs on the island, and is well-versed in quality control in field work and data collection.

Section 7 – Budget

A. Budget Detail

Line Item & Itemized Cost	EPA Funding
Personnel	
(1) Environmental Health and Safety Administrator, \$34.61/hr x 3.75 hrs/wk x 156 wks (10% FTE)	\$20,246.85
(2) Environmental Health Services Coordinator, \$27.88/hr x 15 hrs/wk x 156 wks (40% FTE)	\$65,239.20
TOTAL PERSONNEL	\$85,486.05
Fringe Benefits	
Retirement, Health Insurance, Personal Leave, Life Insurance, STD & LTD (48%)	\$41,033.30
TOTAL FRINGE BENEFITS	\$41,033.30
Travel	
Conference - out-of-state travel (1 roundtrip)	\$2,961.00
Airfare (roundtrip)	\$1,551.00
Per diem	\$585.00
Ground transport	\$75.00
Lodging	\$750.00
St. Paul Installation and Uninstallation Trips (2 in-state travel)	\$9,444.00
Airfare (2 roundtrip)	\$3,216.00
Per diem (up to 14 days total between 2 trips)	\$3,976.00
Ground transport (to/from airport for 2 trips)	\$200.00
Lodging (up to 12 nights total between 2 trips)	\$2,052.00
TOTAL TRAVEL	\$12,405.00
Equipment	

Aeroqual AQM-65	\$41,169.00
Remote power-supply for monitor	\$2,996.00
Cell plan - Monthly data usage for monitor connectivity/software updates/calibration	\$2,100.00
TOTAL EQUIPMENT	\$46,265.00
Supplies	
Office supplies	\$500.00
USB Drives (64 Gb) (~\$20 each)	\$100.00
Tools (for equipment installation)	\$300.00
TOTAL SUPPLIES	\$900.00
Contractual	
TOTAL CONTRACTUAL	\$0.00
Other	
Printing and photocopy needs for program	\$100.00
Subaward Costs to ACSPI	\$78,033.26
Shipping - monitor, tools, power supply; roundtrip from St. Paul to Anchorage	\$1,701.38
Postage and mailing supplies (plan for 15 parcels of USB Drives from St. Paul to/from Anchorage - Priority Mail 3-Day™ Padded Flat Rate Envelope)	\$144.75
TOTAL OTHER	\$79,979.39
Indirect Charges	
Federal Indirect for APIA direct charges - 21.8%, no indirect on Aeroqual AQM-65 cost	\$32,016.89
Indirect for Pass-through subaward for ACSPI - 5%	\$3,901.66
TOTAL INDIRECT	\$35,918.56
TOTAL FUNDING	\$301,987.30
TOTAL PROJECT COST++	\$301,987.30

B. Reasonableness of Costs

Personnel & Fringe Benefits

APIA Environmental Health and Safety Administrator – The administrator’s salary and fringe benefits are reflective of her experience with environmental monitoring and her length of service (19 plus years) at APIA. Her resume captures her extensive experience working on numerous environmental issues, from contamination to monitoring to research, as well as developing QAPPs for previous projects and generally monitoring for quality assurance in all office functions.

APIA Environmental Health Services Coordinator – The coordinator’s salary and fringe benefits are reflective of her job duties and those of similar titles. The Coordinator has experience in data collection, management, and analyses, in addition to leading and participating in several field work projects with the explicit task of ensuring scientific equipment is running as intended for the best quality control.

Travel

Conference travel to National Tribal Forum on Air Quality (or related Air Quality conference) will keep the Coordinator up-to-date on emerging air quality monitoring methodology, provide networking opportunities, and improve technical understanding of air monitoring in general. Travel funds for the conference include 1 roundtrip airfare, 5 days of per diem, 5 days of lodging, and 5 days of ground transportation (taxi to and from the conference, taxi to and from airport).

Two round trip visits to St. Paul, AK from Anchorage, AK will allow the Coordinator to be present when the air monitor is installed at the start of the project and will allow her to train and educate support ACSPI staff based on island, as well as allowing her to be present to help take down the monitor and ship it back to Anchorage, AK at the end of the project.

Equipment

The Aeroqual AQM-65 monitor is capable of auto-calibrating while deployed in remote field locations and effectively collecting quality data. APIA's specific monitor will be equipped to sample NO₂, SO₂, VOCs, CO, particulate matter. Data from this monitor is traceable back to national standards, USEPA (40 CFR Part 53). The auto-calibration feature means personnel cost, travel time, and travel cost can be reduced. The price of the monitor also includes the cost of the software needed to analyze, visualize, and assist in interpretation of findings for the duration of the project.

The Aeroqual AQM-65 monitor can send data and receive needed software updates over an integrated cell modem. In order to utilize the cell modem, APIA will need to set up a SIM card with a local cell provider to ensure monitor communication. In the event of cell coverage limitations (that are unavoidable on a remote island prone to severe weather events), data can also be downloaded via an ethernet connection by a technician based on St. Paul Island.

A pole-mounted battery enclosure solar system, or remote off-grid power supply as appropriate, has been selected to power the Aeroqual AQM-65 monitor.

Supplies

Office Supplies – General office supplies (pens, paper, printer toner, etc.) are needed for day-to-day office tasks.

USB Drives – USB drives will be used to store copies of data downloaded from the monitor in case cell coverage is insufficient to upload data from the monitor to Aeroqual servers accessible by APIA staff.

Tools – Tools such as drills, bits, wrenches, hose clamps, screws, etc. will be needed to install and uninstall the monitor on site in the field.

Other

Subaward – APIA will work with their partner, ACSPI through a subaward. Funds included in the subaward to ACSPI will provide salary and fringe benefits to two ACSPI staff, their Environmental Project Manager and their Technician. ACSPI's Environmental Program Manager is responsible for quality assurance and control during ACSPI's annual summer field work and will be responsible for inspecting the monitor annually for any needed maintenance. Travel funds for ACSPI's Environmental Program Manager to travel to St. Paul annually (up to 3 roundtrips) are included, in addition to travel to the National Tribal Forum on Air Quality (or related Air Quality conference) to keep her up-to-date on air quality methodology and provide networking opportunities. Salary and fringe benefits for ACSPI's technician will allow him to perform monthly data downloads and regular checks on the monitor to ensure data is collected in a timely fashion (in the event of cell service interruption) and that the monitor is running as intended. ACSPI's federally negotiated indirect rate is 33.94%, and this rate is included in the total subaward for ACSPI.

Shipping – The monitor and accompanying tools will need to be shipped from Anchorage to St. Paul Island when the monitoring portion of the project begins. Based on estimates from Ace Air, the primary regional cargo shipping service, the monitor (approximately 40 lbs.) with priority and hazardous material shipping rates is approximately \$135.44 one way (\$270.88 roundtrip). Tools (50

lbs.) with priority rates is \$138.05 one way (\$276.10 roundtrip). A power supply with solar panel weighs approximately 200 lbs. and with priority and hazardous rates is approximately \$577.22 one way (\$1,154.44 roundtrip).

Postage – We will plan to send USB drives between St. Paul, AK and Anchorage, AK in case data limitations on St. Paul Island prevent upload of data to a cloud server. At USPS, flat rate priority padded envelopes are \$9.65 each and we anticipate mailing USB drives to ACSPI 15 times over the course of the project.

Indirect Rate – APIA’s federally negotiated indirect rate is 21.8%. Indirect rate on subaward costs is 5.0%.

C. Expenditures of Awarded Funds

APIA utilizes an extensive internal routing and review process, meaning that proposed projects, their associated costs, intended deliverables, and any other project aspects are thoroughly vetted for feasibility and affordability before granted final approval. Project proposals, budgets, publications, and deliverables for external circulation are all reviewed by the initiator and a proofreader, with a draft sent to the department head, then on to the Chief Financial Officer (CFO) and Human Resources Director as needed, and finally on to the President/Chief Executive Officer (CEO) of APIA in order to receive final approval and the greenlight to commence or alter a project or submit and circulate project materials. Throughout this process, feedback can be suggested by all the reviewing parties, with plenty of opportunity for the initiating party to implement improvements and modifications. APIA is overseen by a board of directors that receive quarterly updates on APIA’s ongoing activities and also provide feedback on major programmatic objectives and activities, ensuring accountability for all programs and employees and project feasibility.

The Environmental and Safety Program Administrator works closely with the accounting department and CFO to monitor project budgets on a monthly basis to ensure funds are expended according to project timelines, deadlines, and objectives. APIA is current on all of its federal single audits, all of which have been clean for the last 10 years, at least.

References

Bullock A, Sheff K, Hora I, et al. Prevalence of diagnosed diabetes in American Indian and Alaska Native adults, 2006–2017. *BMJ Open Diab Res Care* 2020; 8:e001218. doi:10.1136/bmjdr-2020-00121.

Chase, M., F. Olin IV and H. Stewart (2021). *Adaptation Planning Pathways Coordinated Partnerships: A Working Document*. Anchorage, AK.

Section 5 – Quality Assurance Statement

At APIA, Environmental and Safety Program Administrator, Karen Pletnikoff, is responsible for office-wide implementation and oversight of project activities as they relate to quality assurance and has the authority to initiate corrective actions, if needed. Since she does not participate in the day-to-day project activities, but is familiar with procedures, she has the independence to ensure project quality assurance.

At APIA, Environmental Health Services Coordinator, Rachel Lekanoff, will be responsible for database quality control, initial instrument setup, and training and orientation for ACSPI staff regarding the monitor operation and data collection. She will report directly to the Environmental and Safety Program Administrator.

ACSPI's Environmental Programs Manager, Hanna Hellen, will be responsible for data collection and instrument calibration and maintenance checks during the summer field seasons, as well as assist with database quality control as needed. She will report to APIA's Environmental and Safety Program Administrator and Environmental Health Services Coordinator.

ACSPI's technician, Aaron Lestenkof, will be responsible for data collection and download, instrument maintenance checks, and general operation of the monitor while it's in the field during the remainder of the year as he lives on island. He will report to ACSPI's Environmental Programs Manager.

At the time of this grant submission, APIA is currently drafting a full Quality Assurance Project Plan for submission to and approval by EPA in order to be ready in time to receive any awarded funds.

Internal Revenue Service
District Director

Department of the Treasury

Date: 25 MAR 1982

Employer Identification Number:

92-0073013

Accounting Period Ending:

September 30

Foundation Status Classification:

509(a)(1) and 170(b)(1)(A)(vi)

Advance Ruling Period Ends:

September 30, 1983

Person to Contact:

John Sutton

Contact Telephone Number:

(206) 442-5106

► The Aleutian Pribilof Islands
Association, Inc.
1689 C Street
Anchorage, AK 99501

Dear Applicant:

Based on information supplied, and assuming your operations will be as stated in your application for recognition of exemption, we have determined you are exempt from Federal income tax under section 501(c)(3) of the Internal Revenue Code.

Because you are a newly created organization, we are not now making a final determination of your foundation status under section 509(a) of the Code. However, we have determined that you can reasonably be expected to be a publicly supported organization described in section 509(a)(1) and 170(b)(1)(A)(vi).

Accordingly, you will be treated as a publicly supported organization, and not as a private foundation, during an advance ruling period. This advance ruling period begins on the date of your inception and ends on the date shown above.

Within 90 days after the end of your advance ruling period, you must submit to us information needed to determine whether you have met the requirements of the applicable support test during the advance ruling period. If you establish that you have been a publicly supported organization, you will be classified as a section 509(a)(1) or 509(a)(2) organization as long as you continue to meet the requirements of the applicable support test. If you do not meet the public support requirements during the advance ruling period, you will be classified as a private foundation for future periods. Also, if you are classified as a private foundation, you will be treated as a private foundation from the date of your inception for purposes of sections 507(d) and 4940.

Grantors and donors may rely on the determination that you are not a private foundation until 90 days after the end of your advance ruling period. If you submit the required information within the 90 days, grantors and donors may continue to rely on the advance determination until the Service makes a final determination of your foundation status. However, if notice that you will no longer be treated as a section 509(a)(1) organization is published in the Internal Revenue Bulletin, grantors and donors may not rely on this determination after the date of such publication. Also, a grantor or donor may not rely on this determination if he or she was in part responsible for, or was aware of, the act or failure to act that resulted in your loss of section 509(a)(1) status, or acquired knowledge that the Internal Revenue Service had given notice that you would be removed from classification as a section 509(a)(1) organization.

P.O. Box 21224, Seattle, Washington 98111

(over)

Letter 1045(DO) (6-77)

If your sources of support, or your purposes, character, or method of operation change, please let us know so we can consider the effect of the change on your exempt status and foundation status. Also, you should inform us of all changes in your name or address.

Generally, you are not liable for social security (FICA) taxes unless you file a waiver of exemption certificate as provided in the Federal Insurance Contributions Act. If you have paid FICA taxes without filing the waiver, you should call us. You are not liable for the tax imposed under the Federal Unemployment Tax Act (FUTA).

Organizations that are not private foundations are not subject to the excise taxes under Chapter 42 of the Code. However, you are not automatically exempt from other Federal excise taxes. If you have any questions about excise, employment, or other Federal taxes, please let us know.

Donors may deduct contributions to you as provided in section 170 of the Code. Bequests, legacies, devises, transfers, or gifts to you or for your use are deductible for Federal estate and gift tax purposes if they meet the applicable provisions of sections 2055, 2106, and 2522 of the Code.

You are required to file Form 990, Return of Organization Exempt from Income Tax, only if your gross receipts each year are normally more than \$10,000. If a return is required, it must be filed by the 15th day of the fifth month after the end of your annual accounting period. The law imposes a penalty of \$10 a day, up to a maximum of \$5,000, when a return is filed late, unless there is reasonable cause for the delay.

You are not required to file Federal income tax returns unless you are subject to the tax on unrelated business income under section 511 of the Code. If you are subject to this tax, you must file an income tax return on Form 990-T. In this letter, we are not determining whether any of your present or proposed activities are unrelated trade or business as defined in section 513 of the Code.

You need an employer identification number even if you have no employees. If an employer identification number was not entered on your application, a number will be assigned to you and you will be advised of it. Please use that number on all returns you file and in all correspondence with the Internal Revenue Service.

Because this letter could help resolve any questions about your exempt status and foundation status, you should keep it in your permanent records.

If you have any questions, please contact the person whose name and telephone number are shown in the heading of this letter.

Sincerely yours,



District Director

This determination letter is effective from October 26, 1981, in accordance with section 508(a) of the Internal Revenue Code. Section 508(a) precludes exemption under section 501(c)(3) for organizations not making application within 15 months from the end of the month in which the organization was organized.

Letter 1045(DO) (6-77)